

ABSTRACT OF THE DISCLOSURE

A coolant supply passage, a coolant discharge passage, and an air-releasing passage extend through first and second metal plates of a metal separator in a stacking direction of the first and second metal plates. The coolant supply passage and the coolant discharge passage are provided at vertically middle positions of opposite horizontal ends of the separator. A coolant flow field is connected between the coolant supply passage and the coolant discharge passage. The air-releasing passage for releasing air from the coolant flow field is formed above the coolant discharge passage. At least part of the air-releasing passage is positioned above the top of the coolant flow field.